

S4 Table. Incidence of acute and late toxicities in stage II NPC patients treated with IMRT+CT vs. IMRT alone

Any events	IMRT+CT (n=50)					IMRT alone (n=96)					p for grade 1-4	p for grade 3-4
	All grades	Grade 1	Grade 2	Grade 3	Grade 4	All grades	Grade 1	Grade 2	Grade 3	Grade 4		
Acute toxicities												
Mucositis	50 (100)	3 (6.0)	23 (46.0)	24 (48.0)	0	96 (100)	25 (26.0)	57 (59.4)	14 (14.6)	0	-	< 0.001
Radiodermatitis	49 (98.0)	34 (68.0)	15 (30.0)	0	0	96 (100)	83 (86.5)	13 (13.5)	0	0	> 0.99	-
Xerostomia	48 (96.0)	16 (32.0)	32 (64.0)	0	0	95 (99.0)	35 (36.5)	58 (60.4)	2 (2.1)	0	> 0.99	-
Gastrointestinal reaction	35 (70.0)	16 (32.0)	13 (26.0)	6 (12.0)	0	42 (43.8)	23 (24.0)	13 (13.5)	6 (6.3)	0	0.007	0.638
Ear	24 (48.0)	24 (48.0)	0	0	0	35 (36.5)	35 (36.5)	0	0	0	0.303	-
Leukopenia	35 (70.0)	15 (30.0)	15 (30.0)	4 (8.0)	1 (2.0)	23 (24.0)	15 (15.6)	8 (8.3)	0	0	< 0.001	0.067
Neutropenia	24 (48.0)	13 (26.0)	7 (14.0)	3 (6.0)	1 (2.0)	5 (5.2)	2 (2.1)	3 (3.1)	0	0	< 0.001	0.191
Anemia	12 (24.0)	9 (18.0)	2 (4.0)	1 (2.0)	0	3 (3.1)	1 (1.1)	2 (2.1)	0	0	0.004	> 0.99
Thrombocytopenia	11 (22.0)	4 (8.0)	4 (8.0)	2 (4.0)	1 (2.0)	1 (1.0)	1 (1.0)	0	0	0	0.005	0.329
Hepatotoxicity	4 (8.0)	4 (8.0)	0	0	0	0	0	0	0	0	0.191	-
Nephrotoxicity	0	0	0	0	0	0	0	0	0	0	-	-
Late toxicities												
Subcutaneous fibrosis	48 (96.0)	23 (46.0)	22 (44.0)	3 (6.0)	0	84 (87.5)	54 (56.3)	26 (27.1)	4 (4.2)	0	0.372	> 0.99
Deafness or otitis	45 (90.0)	24 (48.0)	18 (36.0)	3 (6.0)	0	62 (64.6)	43 (44.8)	13 (13.5)	6 (6.3)	0	0.002	> 0.99
Xerostomia	28 (56.0)	23 (46.0)	5 (10.0)	0	0	47 (49.0)	41 (42.7)	5 (5.2)	1 (1.0)	0	0.410	> 0.99
Skin dystrophy	24 (48.0)	22 (44.0)	1 (2.0)	1 (2.0)	0	47 (49.0)	33 (34.4)	11 (11.5)	3 (3.1)	0	0.939	> 0.99
Trismus	3 (6.0)	2 (4.0)	1 (2.0)	0	0	6 (6.3)	4 (4.2)	2 (2.1)	0	0	> 0.99	-
Cranial nerve injury	5 (10.0)	5 (10.0)	0	0	0	1 (1.0)	1 (1.0)	0	0	0	0.046	-
Temporal lobe necrosis	1 (2.0)	1 (2.0)	0	0	0	1 (1.0)	1 (1.0)	0	0	0	0.661	-
Eye	0	0	0	0	0	0	0	0	0	0	-	-
Larynx	0	0	0	0	0	0	0	0	0	0	-	-
Mandible	0	0	0	0	0	0	0	0	0	0	-	-

Values are presented as number (%). CT, chemotherapy; IMRT, intensity-modulated radiation therapy; NPC, nasopharyngeal carcinoma.